

Amendment to the Claims

Listing of Claims:

1. (Currently amended) A compound having the formula:



wherein

Ab is an antibody;

G is an intact glycosyl linking group covalently joining Ab to L;

L is a bond or a spacer moiety covalently joining G to T; and

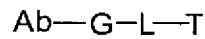
T is a toxin, wherein

said spacer moiety is a member selected from substituted or unsubstituted alkyl, substituted or unsubstituted heteroalkyl and substituted or unsubstituted aryl moieties.

2. (Canceled)

3. (Currently amended) The compound according to claim 1, wherein said spacer linker moiety comprises a poly(ethylene glycol) moiety.

4. (Currently amended) A compound having the formula:



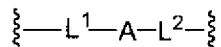
wherein

Ab is an antibody;

G is an intact glycosyl linking group covalently joining Ab to L;

L is a spacer moiety covalently joining G to T; and

T is a toxin. ~~The compound according to claim 1,~~ wherein L has the formula:



wherein

L¹ is a bond or a linker moiety covalently joining ~~G~~ S to A;

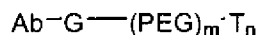
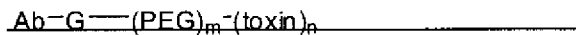
A is an amplifier moiety; and

L² is a bond or a spacer moiety covalently adjoining A to T.

5. (Original) The compound according to claim 4, wherein said amplifier moiety is a polyamine moiety.

6. (Original) The compound according to claim 5, wherein said polyamine moiety is a dendrimer.

7. (Currently amended) The compound according to claim 4, having the formula:



wherein

PEG is a straight- or branched-chain poly(ethylene glycol);

m is an integer from 1 to 6; and

n is an integer from 1 to 1,000.

8. (Currently amended) The compound according to claim 4, having the formula:

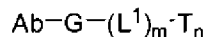
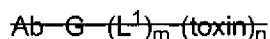


wherein

m is an integer from 1 to 6; and

n is an integer from 1 to 1,000.

9. (Currently amended) The compound according to claim 4, having the formula:

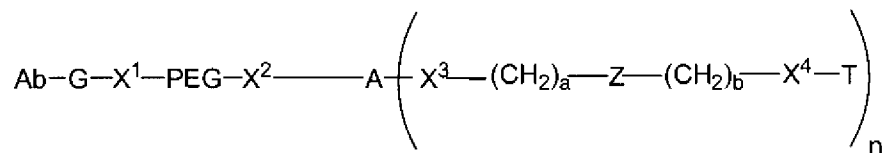


wherein

m is an integer from 1 to 6; and

n is an integer from 1 to 1,000.

10. (Currently amended) ~~The A~~ compound according to claim 1, having the formula:



wherein

X^1 , X^2 , X^3 , and X^4 are linking groups and are members selected from the group consisting of O, S, NH, $(CH_2)_q$ -NH, NH- $(CH_2)_q$, NH-C(O)-O, O-C(O)-NH, $(CH_2)_q$ -NH-C(O)-O, O-C(O)-NH- $(CH_2)_q$, C(O)-O, O-C(O), $(CH_2)_q$ -NH-C(O), C(O)-NH- $(CH_2)_q$, NH-C(S), and C(S)-NH

and wherein

Ab is an antibody;

G is an intact glycosyl linking group covalently joining Ab to L;

T is a toxin;

A is an amplifier moiety;

Z is a bond cleaved by a metabolic/physiological process;

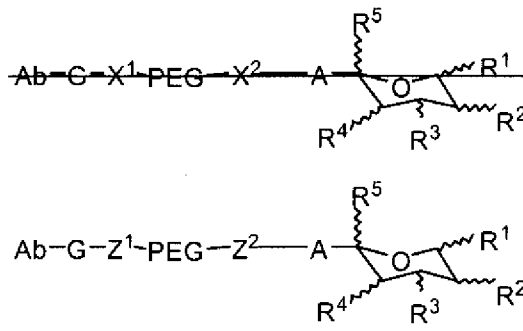
n is an integer from 1 to 1,000;

a is an integer from 1 to 10;

b is an integer from 1 to 10; and

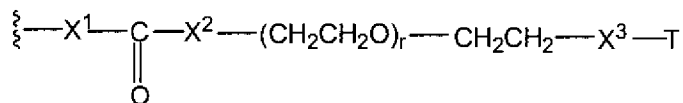
q is an integer from 0 to 20.

11. (Currently amended) ~~The A compound according to claim 1,~~ having the formula:



wherein

at least one of R^1 , R^2 , R^3 , R^4 , R^5 , is :



wherein

Ab is an antibody;

G is an intact glycosyl linking group covalently joining Ab to L;

T is a toxin;

r is an integer from 1 to 2,500;

A is an amplifier moiety;

Z¹ is selected from the group consisting of O, S, and NH;

Z² is selected from the group consisting of NH, and NH-(CH₂)_q;

and

X¹, X² and X³ are linking groups and are members selected from the group consisting of

O, S, NH, (CH₂)_q-NH, NH-(CH₂)_q, NH-C(O)-O, O-C(O)-NH,

(CH₂)_q-NH-C(O)-O, O-C(O)-NH-(CH₂)_q, C(O)-O, O-C(O), (CH₂)_q-NH-C(O),

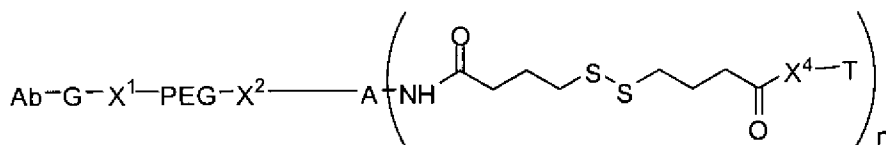
C(O)-NH-(CH₂)_q, NH-C(S), and C(S)-NH

wherein

n is an integer from 1 to 1,000; and

q is an integer from 0 to 20.

12. (Currently amended) ~~The A compound according to claim 1,~~ having the formula:



wherein

X¹, X² and X⁴ are linking groups and are members selected from the group consisting of

O, S, NH, (CH₂)_q-NH, NH-(CH₂)_q, NH-C(O)-O, O-C(O)-NH,

(CH₂)_q-NH-C(O)-O, O-C(O)-NH-(CH₂)_q, C(O)-O, O-C(O), (CH₂)_q-NH-C(O),

C(O)-NH-(CH₂)_q, NH-C(S), and C(S)-NH

wherein

Ab is an antibody;

G is an intact glycosyl linking group covalently joining Ab to L;

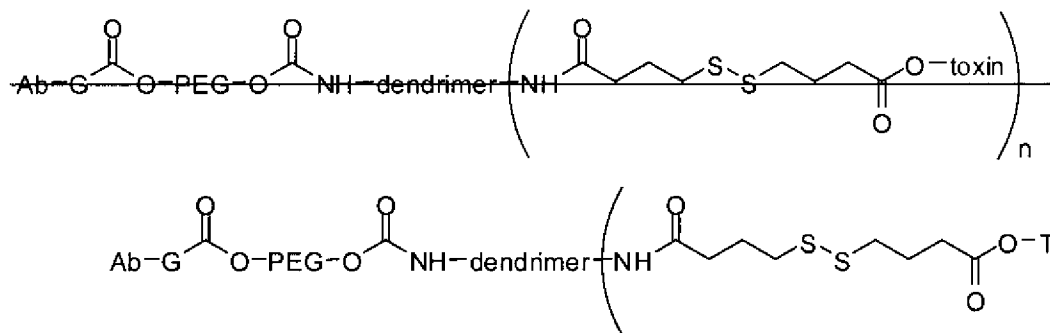
T is a toxin;

A is an amplifier moiety;

n is an integer from 1 to 1,000; and

q is an integer from 0 to 20.

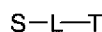
13. (Currently amended) The compound according to claim 12, having the formula:



wherein

n is an integer from 1 to 1,000.

14. (Withdrawn) A compound having the formula:



wherein

S is a nucleotide sugar

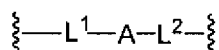
L is a bond or a spacer moiety covalently joining S to T; and

T is a toxin moiety.

15. (Withdrawn) The compound according to claim 14, wherein said spacer moiety is a member selected from substituted or unsubstituted alkyl, substituted or unsubstituted heteroalkyl and substituted or unsubstituted aryl moieties.

16. (Withdrawn) The compound according to claim 15, wherein said spacer moiety comprises a poly(ethylene glycol) moiety.

17. (Withdrawn) The compound according to claim 14, wherein L has the formula:



wherein

L¹ is a bond or a spacer moiety covalently joining S to A;

A is an amplifier moiety; and

L² is a bond or a spacer moiety covalently joining A to T.

18. (Withdrawn) The compound according to claim 17, wherein said amplifier moiety is a polyamine moiety.

19. (Withdrawn) The compound according to claim 18, wherein said polyamine moiety is a dendrimer.

20. (Withdrawn) The compound according to claim 17, having the formula:



wherein

PEG is a straight- or branched-chain poly(ethylene glycol);

m is an integer from 1 to 6; and

n is an integer from 1 to 1,000.

21. (Withdrawn) The compound according to claim 17, having the formula:

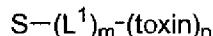


wherein

m is an integer from 1 to 6; and

n is an integer from 1 to 1,000.

22. (Withdrawn) The compound according to claim 17, having the formula:

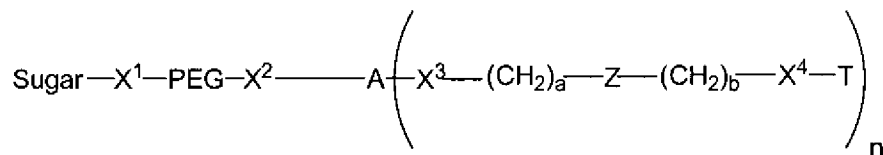


wherein

m is an integer from 1 to 6; and

n is an integer from 1 to 1,000.

23. (Withdrawn) The compound according to claim 22, having the formula:



wherein

X^1 , X^2 and X^3 are linking groups and are members selected from the group consisting of
O, S, $\text{NH}(\text{CH}_2)_q\text{-NH}$, $\text{NH}(\text{CH}_2)_q$, NH-C(O)-O , O-C(O)-NH , $(\text{CH}_2)_q\text{-NH-C(O)-O}$,
 $\text{O-C(O)-NH}(\text{CH}_2)_q$, C(O)-O , O-C(O) , $(\text{CH}_2)_q\text{-NH-C(O)}$, $\text{C(O)-NH}(\text{CH}_2)_q$,
 NH-C(S) , and C(S)-NH

and wherein

A is an amplifier moiety;

Z is a bond cleaved by a metabolic/physiological process;

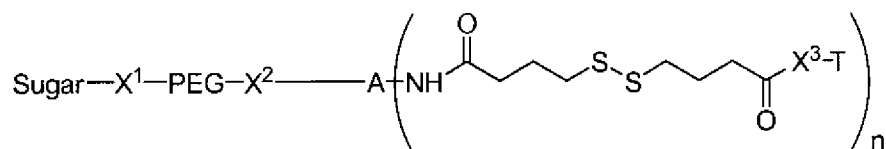
n is an integer from 1 to 1,000;

a is an integer from 1 to 10;

b is an integer from 1 to 10; and

q is an integer from 0 to 20.

24. (Withdrawn) The compound according to claim 14, having the formula:



wherein

X¹, X² and X³ are linking groups and are members selected from the group consisting of
O, S, NH(CH₂)_q-NH, NH-(CH₂)_q, NH-C(O)-O, O-C(O)-NH, (CH₂)_q-NH-C(O)-O,
O-C(O)-NH-(CH₂)_q, C(O)-O, O-C(O), (CH₂)_q-NH-C(O), C(O)-NH-(CH₂)_q,
NH-C(S), and C(S)-NH

wherein

q is an integer from 0 to 20.

25. (Withdrawn) The compound according to claim 24, having the formula:

